

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Jonathan Crepau Examiner #: 75637 Date: 10/4/02
 Art Unit: 1745 Phone Number 305 0011 Serial Number: 04/994 903
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If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: ELECTRODE AND INTERCONNECT FOR MINIATURE FUEL CELLS USING DIRECT METHANOL FEED

Inventors (please provide full names): Sekharipuram R Narayanan, Thomas I Valdez, Filiberto Clara

Earliest Priority Filing Date: 11/27/00

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

A FUEL CELL HAVING AN INTERCONNECT (SEPARATOR) STRUCTURE IN WHICH THE AREA OF THE INTERCONNECT IS MUCH SMALLER THAN THE AREA OF THE ADJOINING ELECTRODE. ANY RECOGNITION OF THESE RELATIVE SIZES OR RATIOS BY THE PRIOR ART WOULD BE HELPFUL.

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Vendors and cost where applicableSTN \$ 263.49

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(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2002/0102449 A1
Narayanan et al. (43) Pub. Date: Aug. 1, 2002

(54) ELECTRODE AND INTERCONNECT FOR
MINIATURE FUEL CELLS USING DIRECT
METHANOL FEED

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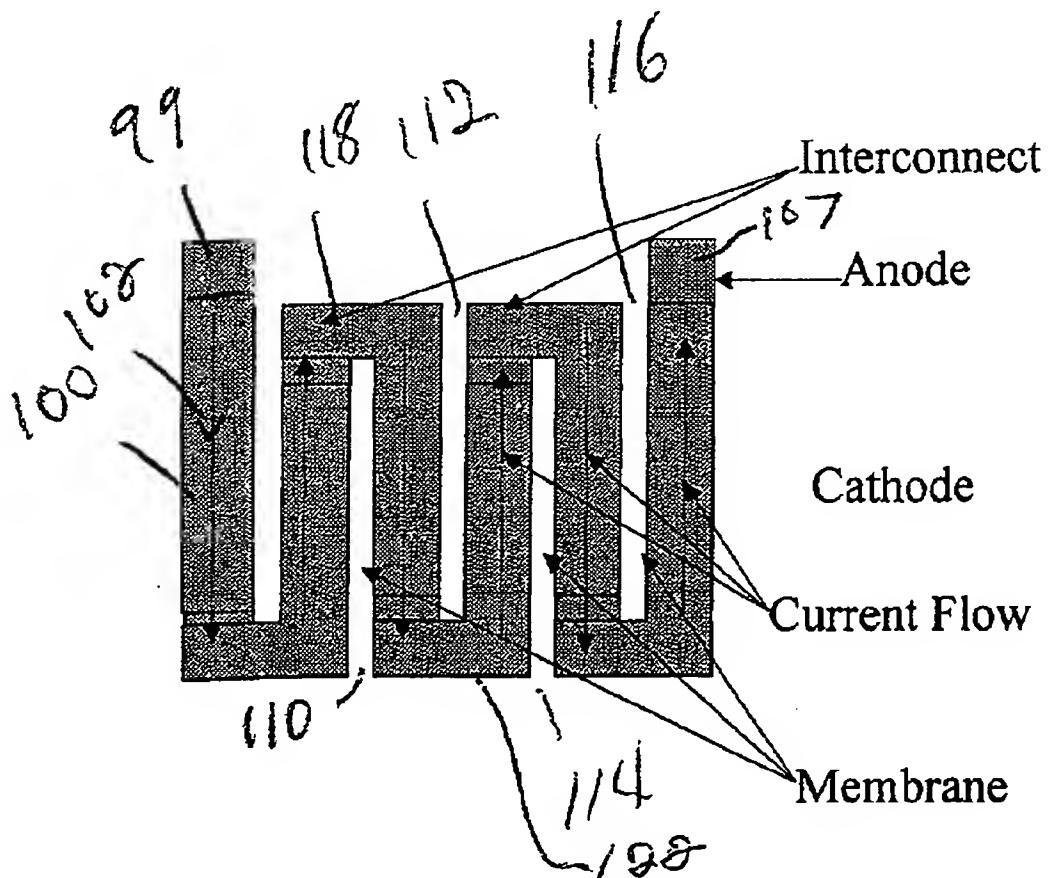
(60) Provisional application No. 60/253,423, filed on Nov.
27, 2000.

Publication Classification

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H01M 8/24
(52) U.S. Cl. 429/32; 429/34; 427/115

(57) ABSTRACT

An improved system for interconnects in a fuel cell. In one embodiment, the membranes are located in parallel with one another, and current flow between them is facilitated by interconnects. In another embodiment, all of the current flow is through the interconnects which are located on the membranes. The interconnects are located between two electrodes.



	Type	Hits	Search Text	DBs
29	BRS	67	429/30-44.ccls. and (catalyst with coating with membrane)	USPAT
30	BRS	127	429/30-44.ccls. and (catalyst with coat\$4 with membrane)	USPAT
31	BRS	127	(429/30-44.ccls. and (catalyst with coat\$4 with membrane)) and (@ad<=20001127 or @rlad<=20001127 or @pd<=20001127)	USPAT
32	BRS	15	429/30-44.ccls. and (catalyst with coat\$4 with membrane with (good or larg\$4 or high or increas\$4))	USPAT
33	BRS	13	429/30-44.ccls. and (catalyst with coat\$4 with membrane with (decreas\$4 or low\$4))	USPAT
34	BRS	88	(429/30-44.ccls. and (catalyst with coat\$4 with membrane)) and (@pd<=20001127)	USPAT

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